

## PROCEEDINGS OF THE CLUB

MEETING OF APRIL 20, 1938

The meeting of April 20th held at the New York Botanical Garden was called to order by the Corresponding Secretary, Dr. J. S. Karling, after which Vice-president Mrs. Gladys P. Anderson presided. There were 28 persons present.

The following were elected annual members of the Club: Mr. Donovan S. Correll, Department of Botany, Duke University, Durham, N. C., Miss Anna E. Gale, 240 Northern Avenue, New York, N. Y.; Dr. Wilhelm Gustav Herter, Montevideo, Uruguay; Mr. Walter Jones, Plant Pathology Laboratory, Saanichton, British Columbia, Canada; and Miss Patricia Mahoney, 260 Convent Ave., New York, N. Y. The following were elected Associates of the Club: Mr. John M. Bachmann, The New York Botanical Garden, Bronx Park, New York, N. Y.; Miss Elizabeth Barrett, 51 Eppirt St., East Orange, N. J.; Miss Helen Blanchard, 561 West 143rd St., New York, N. Y.; Miss Lois Drosin, 302 West 86th St., New York, N. Y.; Miss Jane Glazer, 2062 Davidson Avenue, New York, N. Y.; Miss Dorothy M. Kelley, 214 Rutland Road, Brooklyn, N. Y.; Miss Grace Coit Meleney, 200 Chatterton Parkway, White Plains, N. Y.; Miss Antoinette Miele, 2043 Washington Ave., Bronx, New York; Miss Caroline Pomeranz, 2675 Creston Ave., Bronx, New York; Mr. Harry Shapley, 2710 Webb Ave., New York, N. Y.; and Mrs. Sofia K. Wolf, 3031 Brighton, 14th St. New York. The resignation of Dr. Paul R. Burkholder was accepted with regret.

The Corresponding Secretary was directed to appoint an official delegate of the Club to the 150th Anniversary celebration of the Linnean Society of London.

The scientific program consisting of a paper on Chromosomes and Environment was presented by Dr. Ake Gustaffson from the Institute of Systematic Botany and Botanic Garden of the University, Lund, Sweden.

CLYDE CHANDLER  
Recording Secretary

MEETING OF MAY 3 AT THE MUSEUM OF  
NATURAL HISTORY

The meeting was called to order by First Vice-president Dr. Alfred Gundersen at 8:15 P.M., with thirty-four members present. Since no minutes or business were presented, the meeting proceeded at once to the scientific program.

Dr. William J. Robbins, Director of the New York Botanical Garden, gave an interesting illustrated talk on the effect of thiamin on plant growth. The following is an abstract by Dr. Robbins: "Thiamin (vitamin B<sub>1</sub>) or thiazole (one of the two intermediates of thiamin) is necessary for the growth of excised tomato roots. The tomato root synthesizes the intermediate pyrimidine but not the thiazole. The attached root depends upon the top of the tomato plant for thiamin (or thiazole) as well as sugar. Some fungi and *Torulæ* which do not grow in solutions of mineral salts and sugar do so if minute quantities of thiamin or its intermediate are added to the medium. It is concluded that probably all organisms require thiamin. Some synthesize it from the basic materials of the medium, others can not. Those which can not must be supplied with the intermediate thiazole, the intermediate pyrimidine, both intermediates or the thiamin molecule as such, depending upon their synthetic power."

J. S. KARLING  
Corresponding Secretary

## MEETING OF MAY 18, 1938

The meeting was called to order at 3:30 P.M. by the corresponding secretary at the New York Botanical Garden, with eighteen members present. Dr. J. H. Barnhart was elected chairman pro tem. The minutes of the previous meeting were read, and prior to their adoption Dr. B. O. Dodge pointed out that recently the minutes of the regular Club meetings had been unnecessarily brief. In the discussion that followed the idea was generally expressed that additional comments on the character of the scientific program should be included.

The following candidates were unanimously elected to active membership in the Club: Mrs. Elizabeth G. Hartman, 30-31 Hobart St., Woodside, L. I., and Mr. George H. Peters, 175 E.

Seaman Ave., Freeport, L. I. The following candidates were elected Associates: Mr. Samuel Bender, 1849-74th St., Brooklyn, N. Y.; Miss Emma Johnston, 166-17 33rd Ave., Flushing, L. I.; Mr. Theodore G. Adams, 199-8th Ave., Brooklyn, N. Y.; Miss Hannah Redlefsen, Montefiore Hospital, Gun Hill Road, New York; Miss Martha H. Hollinshead, 504 Camden Ave., Moorestown, N. J.; and Miss A. Jean Crozier, 99-21 Bell Boulevard, Bayside, L. I. The resignation of Miss Grace Randall, 117 Lincoln Street, Passaic, N. J., as an Associate was announced.

The Corresponding Secretary then announced that Dr. Edna Lind of Sheffield, England, had been appointed official delegate of the Club to the 150th Anniversary Celebration of the Linnean Society of London.

The Scientific Program consisted of an illustrated and interesting lecture by Dr. Gordon Utter of the Brooklyn Botanic Garden and Hunter College on Culture and Inoculation Studies on Races of the Loose and Covered Smuts of Oats. Dr. Utter gave data and illustrations to show that successive culture generations failed to remain constant in characteristic. Sixteen new smut types were produced which exhibited recombinations of factors for symptoms, morphology, and pathogenicity.

The meeting adjourned at 4:45 P.M.

J. S. KARLING  
Corresponding Secretary

#### MEETING OF OCTOBER 4, 1938

The first meeting in the fall of 1938, held in the Children's Garden Club room of the Brooklyn Botanic Garden, was called to order by President Gunderson at 8:15 P.M. with 34 persons present.

Resolutions to be sent to the wife of our late President, Raymond H. Torrey, were read by Dr. J. S. Karling, after which they were unanimously approved by a rising vote of the Club.

Minutes of the previous meetings were read and after due corrections were adopted by the Club.

The following candidates were elected to membership: Annual—Mr. Frederick W. Lewis, 39-40 Little Neck Parkway, Little Neck, N.Y.; Mr. James Merry, Botany Department,

University of Michigan, Ann Arbor, Mich.; Mr. Rutherford Platt, 102 East 22nd Street, New York, N.Y.; Mr. Louis Robinson, 2675 Morris Avenue, Bronx, N. Y.; Mrs. Charles Y. Tanger, 318 N. President Avenue, Lancaster, Penn.; Mr. W. Gordon Whaley, Department of Botany, Columbia University, New York, N.Y.; Prof. Dr. Lorenzo R. Parodi, Calle Rio de Janeiro 1932, Buenos Aires, Argentina; Miss Clara Ketcham, Bennett Avenue and Columbia Street, Hempstead, N.Y.; and Dr. Norwood C. Thornton, 1086 North Broadway, Boyce Thompson Institute, Yonkers, N.Y.

Associates—Mr. Cornelius F. Daley, 538 Godwin Avenue, Wortendyke, N.J.; Miss Henrietta W. Dotson, 23 Lexington Avenue, New York, N.Y.; Miss Maud Harty, 203 Davis Ave., Kearny, N.J.; Miss Alexandera Kalmykow, 473 West 158th Street, New York, N.Y.; Dr. J. P. Carabia, N.Y. Botanical Garden, Bronx Park, New York, N.Y.; Mr. Charles P. Dring, 224 East 47th Street, New York, N.Y.; Mr. Frank G. White, Apartment 62, 180 Claremont Avenue, New York, N.Y.; Mrs. Eva R. Cohn, 2827 Valentine Avenue, Bronx, N.Y.; and Dr. Mark Cohn, 2827 Valentine Avenue, Bronx, N.Y.

The resignation of Miss Esther Holm was accepted by the Club.

The revised Constitution was read after which Dr. Karling made the motion that the Club adopt the changes and additions of the Constitution and By-Laws. The motion was seconded by Dr. Hazen and carried unanimously.

Mrs. Gladys P. Anderson recalled that only a chairman need be appointed for the field committee. Dr. Harper reported that the Council had discussed the advisability of deferring the appointment of a chairman until the next Council meeting.

Dr. Hazen nominated Mr. James Murphy as a member of the Council to fill the vacancy brought about by the adoption of the revised Constitution which states in Article XI that the last two ex-presidents shall be members of the Council. The Secretary was instructed to cast the ballot. It was so done.

The scientific program consisting of a series of reports by members and guests on their summer collecting experiences and botanical explorations was very informal.

Dr. Harper with his usual enthusiasm impressed collectors with the importance of collecting and adding specimens to the

local herbarium. He gave an account of his visit to the Botanic Gardens at Charleston, South Carolina and to a new Botanic Garden of Japanese Iris in the little town of Sumter. Cypress swamps seem to be a good habitat for Japanese Iris.

Dr. Hazen attended the meetings of the British Association for the Advancement of Science held in England. Though many of his favorite collecting places had been destroyed by modern architectural developments he found other places to collect his algae and by using fast transportation afforded by the Queen Mary was able to bring his specimens back in very good condition.

Dr. B. O. Dodge attended a mycological foray held in the forests of Quebec.

Dr. Copeland explored a sizeable bog in northern Maine where he collected lichens.

Dr. Cheney was again at the Marine Biological Laboratory where he continued his work on alkaloids, collected mints and tried his skill in color photography.

Dr. Graves continued his work on the breeding of chestnuts and reported that he now has hybrids which are absolutely resistant to the blight.

Dr. Karling collected from a lake in Connecticut a species of fungi which has been reported only once before and then from the Belgian Congo.

Dr. Thomas inquired as to methods of preserving fungi. It seems as though present methods are inadequate.

Other members and visitors told of their enjoyment of field trips and collections made in the vicinity of New York. Dr. Moldenke collected approximately a hundred species during the summer.

The Treasurer read a letter to the Club from Mr. George T. Hastings who is usually present at the fall meeting of the Torrey Club but was unable to attend this year. Mr. Hastings is spending six months in the western part of the United States.

The meeting then adjourned. All those present were invited to remain for a few minutes during which time appetizing refreshments were served by the Brooklyn Botanic Garden.

CLYDE CHANDLER  
Recording Secretary